

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



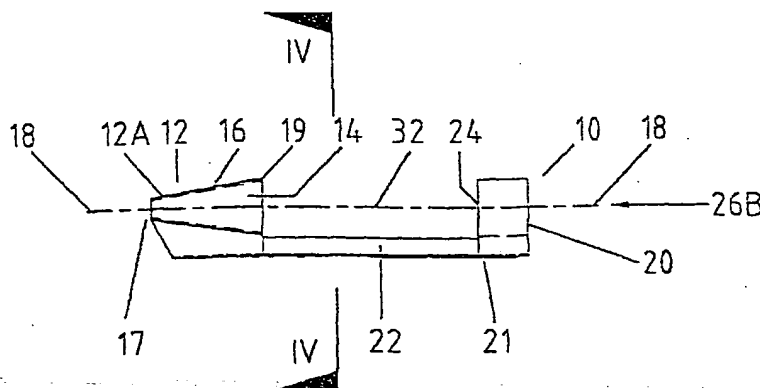
(43) International Publication Date
28 December 2000 (28.12.2000)

PCT

(10) International Publication Number
WO 00/78509 A1

- (51) International Patent Classification⁷: B25B 23/04, 23/06, 23/08, 23/10, B25C 3/00
- (21) International Application Number: PCT/AU00/00676
- (22) International Filing Date: 16 June 2000 (16.06.2000)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
PQ 2118 17 June 1999 (17.06.1999) AU
PQ 7392 9 May 2000 (09.05.2000) AU
- (71) Applicant and
(72) Inventor: BABIJ, Alex, Jr. [AU/AU]; 3 Glen Street, Galston, NSW 2159 (AU).
- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).
- Published:
— With international search report.
- (74) Agent: FREEHILLS CARTER SMITH & BEADLE; Level 32, MLC Centre, Martin Place, Sydney, NSW 2000 (AU).
For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: A SCREW GUIDE



WO 00/78509 A1

(57) Abstract: The present invention provides a screw alignment device (10) for use with a screw driving tool and a screw (71) during a fastening operation, with said screw being of the type having a shank disposed between a screw head and a distal end, the screw driving tool being of the type having a shaft with a gripping formation at one end thereof and a screw engaging formation at the other end thereof for engagement with the screw head, said screw alignment device including a screw guide having a body of generally annular configuration formed from a resilient material and having an internal cavity (14) of generally frustoconical configuration tapering convergently towards a forward end of the screw guide (17); a tool guide (20) spaced rearwardly from the screw guide and aligned generally with the cone axis (18); and a connector which connects the screw guide to the tool guide; where, in use, a screw can be located in the screw guide so as to be aligned generally with the cone axis, the distal end of the screw projecting through said forward end and the head of the screw being held by the screw guide, and said tool guide receiving said tool so that when engaged with the screw head said tool, said screw and said screw guide are held together with said tool and screw aligned, and by driving the screw forwardly into a surface to receive said screw, the head of the screw will cause the screw guide to flex outwardly to permit the screw to pass through the screw guide.